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1873 Sch STONY BROOK 63 F.S. Bowker was managing owner of the ve	. 2010	F.S	. Bowke	er was managing owner	of the ve
		sels m	arked	with an asterisk; Rog	gers & Web
Joseph Bowker and his second wife, Mary of Boston managed 8 as indicated; and the had a son, Frank Samuel, born 14 Dec. 1846. rest were owned widely	had a son Frank Samuel horn 14 Dec 184	of Bos	ston ma	anaged 8 as indicated	and the
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Frank S. Bowker for some years was Minott's listed as master carpenter of the ABBIE BC		listed	l as ma	aster carpenter of the	e ABBIE BO

Joseph Bowker and his second wife, Mary, had a son, Frank Samuel, born 14 Dec. 1846. Frank S. Bowker for some years was Minott's master builder. About 1883 he bought a shipyard site at Phippsburg Center, where he went into business for himself. Later on he took his son Walter Henry (born 14 Dec. 1874) as a partner, and the firm was styled F. S. Bowker & Son. The following list of vessels built by F. S. Bowker or F. S.

Bowker Son is probably not complete:

1871 Slp GRAY EAGLE 11

1874 Slp MILO 48

1879 Sch HENRY L. WYMAN 17

1886 Slp SABINO 46

1890 3mSch ABBIE BOWKER 191 *

1891 3mSch HENRY H. CHAMBERLAIN 245 *

F.S.Bowker was managing owner of the vessels marked with an asterisk; Rogers & Webb of Boston managed 8 as indicated; and the rest were owned widely. Timothy B.Bowker is listed as master carpenter of the ABBIE BOW-KER (which was named for a cousin of Walter Bowker). In her ownership, Charles V.Minott and F.S.Bowker each held 1/16 and Wm.R.Bowker had 1/64. The latter also owned ½ of the scow sloop WALTER E.

The ABBIE BOWKER was considered (cntd.p.5)

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LOG CHIPS is published by John Lyman. With this issue, publication is temporarily suspended until after February 1956. From 1 August 1955 to the end of January 1956, our address will be care of Scripps Institution of Oceanography, La Jolla, Calif.

BOOK REVIEWS

TRAUNG, Jan-Olof (Editor), "Fishing boats PETREJUS, E. W., "De Bomschuit: een verdweof the world," xx, 579, xlvi pp; 604 figs; nen scheepstype," 111 pp, 79 figs, 31 pl. index. Fishing News, London, 1955. Price 44. 10. 0. or \$12.50.

In 1953 the Food and Agriculture Organization of the United Nations held an International Fishing Boat Congress, with sessions at Paris, France; and Miami, Florida. Over 150 experts in various phases of the subject participated in the sesions, which were broken down into the general fields of boat types, naval architecture, engineering, and factory ships.

The transactions of the Congress, which have been edited for publication by a FAO staff naval architect, form a fascinating and valuable record of the present-day fishing craft of almost every country of The east and west coasts of the world. North America are well represented, with H.I. Chapelle and H.C. Hanson furnishing valuable sets of data. also covered, with an extensive series of lines drawings of local types, and there is a similar series on Portugal.

For larger powered types, there are articles on Dutch, French, Spanish, Irish, German, and Japanese trawlers or pelagic fishing vessels. A paper by Dwight S. Simpson on the development of the New England trawler is an important historical contribution.

The other topics covered are equally well handled, and the result is a book that for years to come will be freely con- an inventory of another in 1759; and a sulted as the standard work of its kind.

Price \$15.00 brary, N.Y., 1954.

plications: to the steering of ships, to Cross, 196 pp; 21 pl; index. A.H.& A.W. the elimination of rolling, to the direct-Reed, Vellington, N.Z., 1954. Price 17s ing of naval gunfire, to mention a few, and this book goes into them fully.

The author first takes up the basic mathematical theory for an appendix, and In 1901 he first went deep water on a trathen tells its history. It is interesting to note that Foucault devised a gyro-ga and others of the islands to the north scope in 1852 as an additional demonstra- of New Zealand. Later he made another tion of the earth's rotation to his pendu-deep-water voyage described in his book ing an "instrument for viewing rotation."

There are six very complete chapters on the gyro compass and automatic steering zation. Future use in space ships is touched on briefly.

Maritiem Museum "Prins Hendrik." Rotterdam, 1954.

The "pom," "bomschuit," or "pink," was a heavily-built, nearly square-ended clinker-built fishing vessel, designed to operate over the beaches of such North Sea ports as Katwijk and Scheveningen. In 1951, Jb. van der Ende, son of one of the last builders of the craft, presented the "Prins Hendrik" Museum with a set of drawings of them and a manuscript describing their construction and operation in great detail.

From these sources, the well-known marine artist and writer, E. V. Petrejus, has put together this book. It commences with a history of the coastal fisheries and of the development of the bom; then completely describes their construction, West Pakistan is with numerous beautifully-executed drawings; and finally tells of the fishing gear used with them.

> The illustrations include both reproductions of paintings and etchings of boms by the Dutch masters and photographs of more recent versions of the type. There is also a color plate showing the marks and devices by which 72 different boms were distinguished at Scheveningen about 1890.

Each chapter is provided with an unobtrusive set of notes. Appendices give the measurements of a pink after Vitsen, 1671; table of recorded dimensions from 1531 to 1895. This book is an excellent example RICHARDSON, K.I.T., "The Gyroscope Applied and should be consulted by anyone interested 384 pp; 222 ill; index. Philosophical Li-in the technical side of wooden shipbuiding.

The gyroscope has several maritime ap- EADDY, P.A., "Sails beneath the Southern 6d or \$2.50.

The author of this delightful book arrived in New Zealand in 1883 in the Shaw, Saprinciples of the gyroscope, reserving the vill bark CLYDE as a one-year-old passenger. ding voyage in the barkentine YSABEL to Tonlum, and he coined its present name, mean-"Hull Down," and his service in the New Zealand schooner scows formed the basis of "'Neath Swating Spars" in 1939.

In this book, Mr. Eaddy tells of a great control, followed by three on ship stabili many vessels, mostly barks and barkentines engaged in trade between New Zealand and

Australia. It is a hard book to classify, all the vessels of the German Navy and Air as it is partly narrative of the author's Force during World Var II, gives particuown sailing and partly history. There is lars of their armor, armament, dimensions, an excellent set of illustrations of craft and machinery, and tells what became of mentioned in the ctext.

"Flaggenkunde." 68 pp; 300 ill. Kurt

This little book opens with a short es- indicate. say on the history of the black-red-gold flag of the Bonn Republic, by Albert Franz, "La Marina Italiana nella Seconda Guerra of contemporary flags of the world and flags of German provinces and cities.

Information on local German banners is hard to come by, and anyone interested in such matters will find this book a useful reference source.

WALTON, E. W. Kevin, "Two years in the Antarctic, " 194 pp; 6 ill; 29 pl; index. Philosophical Library, New York; 1955. Price \$4.75.

ant in the Royal Navy, was a member of the vessels, of ships lost through capture, Faklands Islands Dependencies Survey under and of war-connected losses before and af-Surgeon-Commander Bingham, R.N., which oc- ter the period that Italy was combatant. cupied several bases in the Palmer Peninsula (or Graham Land, as the British call it) BATTSON, R.K., "Modelling Tudor ships," x, Walton was stationed at Debenham Island in 78 pp; 45 figs. Percival Marshall & Co., Marguerite Bay, and in March 1947 the Amerittd., London, 1955. can ship PORT OF BEAUMONT appeared with Finn Ronne's expedition, which set up camp

a few miles away at Stonington I.

The 1940 American camp there had been looted by various expeditions in the interim (Walton gives the Chileans and Argentines the credit), and its pillaged state was the cause of considerable coolness be- a set of plans of Drake's GOLDEN HIND of tween the two parties at first; but eventu-1580, prepared by the late Clive Millward ally cordial relations were set up, and the (see "Ships & Ship Models" for Feb. 1940). two groups finally cooperated in surveying The result is a built-up model 15" long the peninsula. Both parties would probab-(scale 1/60), of a truly historic vessel.

ly still be there had not the U.S. icebreakers EDISTO and BURTON ISLAND shown up in February 1948 and broken a passage for the JOHN BISCOE and PORT OF BEAUMONT.

Exploring is said to get in the blood, and Walton is no exception: he dates his preface "somewhere west of Greenland and north of the Arctic Circle. August 1954."

GRONER, Erich, "Die Schiffe der Deutschen Kriegsmarine und Luftwaffe 1939-45 und ihr Verbleib, "84 pp; ill. J.F. Lehmanns Verlag vessels were accused of slaving, and these Munichen, 1954. Price DM 9.60 (\$2.30).

This little book gives a tremendous amount of information in extremely condensed flags. form. It provides recognition sketches of

them.

A system of symbols and abbreviations permits many more data to be included Schroeder, Bonn, 1953. Price DM 4.50(\$1.10) than the small size of the volume would The war losses are broken down very thoroughly by causes.

> Mondiale. Navi perdute." Tomo II- Navi Mercantili, 357 pp, index. Istituto Poligrafico dello Stato, Roma, 1952. Lire 1100 or \$1.75.

This is another book of war losses, prepared by the Italian Office of Naval History. The first volume covered warships, and volume II is a list of merchant ships of the Italian marine lost during World War II.

The arrangement is chronological, giving name, type, year built, tonnage, owner, The two years of the title were 1946 and and date and cause of loss. There are se-The author, an engineering lieuten-parate lists of powered vessels and sail

Price 4/6 (65¢).

This little volume is another in the excellent series published by Percival Marshall for the benefit of the modeller who has graduated from assembling kits but is not in a position to do extensive research before undertaking a new model.

Mr. Battson has written a book to go with

SPENGEMANN, Friedrich, "Afrikafahrer," 136 pp, 8 ill. The author: Bremen/St.Magnus. Price DM 10 or \$2.40. 1954.

This latest addition to the series of Herr Spengemann's booklets is a history of German trade with Africa during the sailing ship period. It is a more pleasant history than that of most nations, as there are only two cases in the 19th Century where German are more than offset by the activities of the Basel Missionary Society, which sailed its ships under the Hanoverian and Prussian

MILLWARD, C.N., "Modelling the REVENGE," 85 pp, 83 figs. Percival Marshall & Co., Ltd., London, 1955. Price 5/- or 70ϕ .

This is another little book on a Tudor vessel, the REVENGE being Drake's flagship of 1580. It is also designed for use in connection with a set of Clive Millward plans, which at 1/96 scale give a hull LAUDER, J.P., and R.H. BIGGS, "Ships in 17" long. The bread-and-butter method is bottles, " 74 pp; 45 figs; glossary; index. used for the hull.

Edited by E. Bowness, the book is illus- printed 1954. trated with an exceptionally well drawn set chor buoy to a stern lantern. Although the REVENCE herself is perhaps of less interest to Americans than some of her contemporaries that carried expeditions to North America, the data in this book are equally pertinent to any large English ves-them in comparison with other forms of mosels of the late 16th Century.

HANDELS OG SØFARTSHUSEET PÅ KRONBORG, Arbog 1954, 160 pp; ill. Helsinger, 1954.

cle on 18th Century ships depicted on Dutch tiles; an account of the shipbuilder except for the final detail of fashioning E.C. Benzon of Nykobing (1825-1912), with a a wedged stopper. list of 79 vessels built by him and plans of a jagt-schooner of 1871; and a history of the Danish Asiatic Company's frigate DISCO of 1778, with detailed construction ly interesting as a contemporary of our Revolutionary frigates, and the plans give drawn in either direction. more details than are available for the American vessels, even of those captured and studied in British dockyards.

BATTSON, R.K., "The Shipmodeller's Workshop. " 81 pp; 74 figs. Percival Marshall, London, 1954. Price 3/6 (50¢).

been revised and reprinted. It is not, as ADLER, was born in Harburg in 1887, the the title might suggest, a description of the tools and devices used in building ship models, but instead is a sort of glos-scribes his first going to sea as boy and sary of ship fittings, from anchors to yards, of all periods and for both scale TLE) between 1901 and 1904. It is a deand sailing models.

Obviously in 81 pages only the high spots can be touched on, but there are a. number of useful hints and dodges which will repay study by the modeller.

DOG WATCH, No. 11, 144 pp; ill. Shiplovers' Society of Victoria, Melbourne, 1954. Price 4/6 (55¢).

The usual fascinating mixture of historyrange of kits, plans, fittings, and mateand personal reminiscences is continued in rials for all types of models.

this year's edition of the yearbook, edited as previously by Miss S.A.E. Strom. There is a foreword by Alan Villiers. Particularly notable are accounts of the Aberdeen liner SALAMIS, the Blackwaller SUPERB, and the early steamer GREAT BRITAIN.

London, Percival Marshall & Co.Ltd. Re-Price 3/6 or 50ϕ .

First published in 1949, this volume is of figures, showing everything from an an-a complete treatise on the art of assembling models inside bottles or other glass containers, a craft that never ceases to mystify the unmitiated, but which is after all fairly simple of accomplishment. As a hobby, ships in bottles have much to recommend del making: the products are compact, easy to stow, and no trouble at all to keep clean.

The authors have covered rather thorough-The yearbook for 1954 includes an arti-ly all phases of the art, which used to be practiced extensively in ships' forecastles, The latter, properly done, can be as mystifying as the ship itself, and those sceptics who declare that the bottle was blown around the ship, or that the ship was inserted through a careand sail plans. The latter is particular fully concealed hole, are invariably unable to account for a cork that cannot be with-

> KIRCHEISS, Carl, "Wasser, Wind und weite Welt; als Schiffsjunge um die Erde, " 310 pp; glossary; illustrated end-papers. C. Beterlsmann Verlag, Hamburg, 1954. Price DM 6.85 or \$1.70.

Captain Kircheiss, who will be recogni-First published in 1950, this book has zed as von Luckner's navigator in the SEEson of an innkeeper. This book tells of his early days in a few pages and then de-O.S. in the bark NURNBERG (ex CARNARVON CASlightful tale, full of sea lore, and illustrated with pen drawings.

> BLISS, James & Co., Inc., "Scale Models; 1954 catalog," 55 pp; ill; index. Bliss & Co., Boston, 1954. Price 25d.

The century-old Boston shipchandlery of James Bliss now has a flourishing model de-Their catalog lists a wide partment.

FORBES, Allen, "Whale ships and whaling scenes as portrayed by Benjamin Russell," 76 pp; ill.in color. Second Bank-State Street Trust Co., Boston, Mass., 1955.

The State Street Trust Company issued 38 illustrated brochures on various historical subjects, chiefly maritime, and now, in a new corporate identity, continues the series.

This one is devoted to the works of Benjamin Russell of New Bedford (1804-1885), who, when nearly 60, took up water-color ship portraiture. His products were mostly whalers, as the title suggests, but there are also two coasting schooners illustrated. Another useful illustration is of a broadside sheet of New Bedford private signals, about 1837.

"Merchant ships: world built; vessels of rest being up to the individual builders 1000 tons gross and over completed in 1954," It is not easy after this lapse of 264 pp; ill. Adlard Coles Lim., Southamptime to identify the vessels built to ton, in association with John de Graff, Inc., Bowker designs. Lew Parker credits them New York, 1955. Price \$5.00. with the three four-masters built at Lino

The third in a series of yearbooks which started with "Merchant ships: British built," R.R.GOVIN, and TOLINA. The JERE G.SHAW, this volume gives a complete list of all ves—at Biddeford, Me., in 1918, is another. sels over 1000 tons built during 1954, with owner, builder, dimensions, and machinery details. Of these, about 160 are illustrated with photographs, and there are 20 arrangement plans or profiles.

The FRANK A.MOREY, a three-master at Hockland in 1917, was mentioned to us by Mr.Bowker, and her dimensions were very close to those of the GEORGE S.SMITH.

Two three-masters built by R.L.Bean at Recovery and the series of the GEORGE S.SMITH.

The Italian CRISTOFORO COLOIBO and the P.& O.ARCADIA, both of 29,000-plus tons were the largest passenger vessels of the year, and both are fully described. The biggest cargo vessel on a gross tonnage basis was the German-built tanker AL-MALIK-SAUD AL-AWAL (46,548 DW) and on a deadweight basis was the Japanese-built ore carrier ORE TRANSPORT (60,457 DW and 21,690 gross).

THE BOWKERS OF PHIPPSBURG (contd.from p.1) the first vessel built by F.S.Bowker on his own account; she and the H.H.CHAMBERLAIN were built about a mile up the Kennebec from the place at Phippsburg Center just below the Minott yard where the Bowkers later conducted their operations. F.S.Bowker served a term in the Maine House of Representatives in 1911; he died in 1928.

Walter Bowker got back into wooden shipbuilding during World war II. He was first associated with a man from Portland, Me., who was bidding on wooden barges to be constructed for the War Shipping Administration; but they bid high and did not receive an award. Later he served as an inspector

for the War Shipping Administration for the building of two groups of these barges, the WHITE OAK and WHITE OAK II at the Belfast, Me., yard of Jackson Bros. Belfast Shipbuilding Corporation, and the WHITE ASH, WHITE ASH II, and WHITE ASH III at the Richmand Shipbuilding Corp. yard at South Gardiner. These were B3-F1 barges about 180 x 35 x 17 ft., carrying about 1440 tons and grossing about 860, completed in 1943.

As almost the sole supporters of the three-masted schooner in Maine, the Bowkers found their know-how in considerable demand during World War I, and they made molds for less experienced builders to use in yards from East Boothbay to Mobile. Lew Parker tells us that only two simple drawings accompanied the molds, all the rest being up to the individual builders.

It is not easy after this lapse of time to identify the vessels built to Bowker designs. Lew Parker credits them with the three four-masters built at Lino-leumville, Staten I., in 1918-20: AZUA, R.R.GOVIN, and TOLINA. The JERE G.SHAW, at Biddeford, Me., in 1918, is another. The FRANK A.MOREY, a three-master at Rockland in 1917, was mentioned to us by Mr.Bowker, and her dimensions were very close to those of the GEORGE S.SMITH. Two three-masters built by R.L.Bean at Camden in 1909, the FRANK E.SWAIN and FRANK M.LOW are also likely candidates; all three of these were built for Rogers and Webb.

The Mobile schooner might have been RENA A.MURPHY in 1918, a couple of feet shoaler than the Maine-built schooners but with dimensions otherwise agreeing with the Bowker model. Mr.Bowker told us in 1948 that a set of his molds, from which Fields Pendleton had built one schooner, was still in an attic in Phipps-burg.

It was the custom of the Phippsburg builders to build only in the summer. The big Minott square-riggers would take two summers to complete. The builders spent the winter getting out materials, and the men chopped wood. The carpenters lived all winter on credit from the store run by the Minotts at Phippsburg. Many of the carpenters in the period just before World War I came up from Nova Scotia to work at Phippsburg. They were paid \$1.75 for a 10-hour day. The week was 55 hours, and they were paid each Saturday noon for their time up to Friday night.

GERMAN SAILING VESSELS AND WORLD WAR I.

Virtually the entire German merchant fleet as it existed in 1914 was lost or confiscated as a result of the first World War. Of the sailing vessels, some were interned in belligerent enemy ports in August 1914, some were captured by the British and French Navies on the high seas, and many took shelter in neutral ports. Later Portugal, U.S.A., Peru, and Brazil entered the war and seized the German shipping in their ports. Thus, only those ships in German, Mexican, Chilean, Spanish and other neutral harbors remained under German control at the end of 1918.

Under the Treaty of Versailles, all German vessels over 1600 gross tons and half of those from 1000 to 1600 had to be handed over to the Reparation Commission as partial replacement for Allied vessels sunk or damaged during the war. The Treaty went into effect on 10 Jan.1920, but it was some time before action was taken to move the vessels in the Pacific. In September 1920 the steamer LUCIE WOERMANN left Hamburg for Panama and the Vest Coast of South America with 850 German seamen to man the vessels in Chilean waters. Her disorderly voyage was described in Jan Valtin's book "Out of the Night." Most of the vessels in Chilean waters sailed around the Horn under the German flag with nitrate to European ports, and were then transferred to Great Britain, France, Italy or Greece for disposal.

A few, notably of the Laeisz fleet, were repurchased by their former owners; many were laid up until sold for scrap; a few went to sea again under the German, Finnish, and Danzig flags. The vessels in Mexican ports were first announced as taking grain from Portland, Oregon, to Europe, but in October 1920 it was decided to send their crews home, and beginning in February 1921 the vessels were towed to San Francisco,

where most were purchased by the Dollar Line.

Harold Huycke of Tacoma, Washington, has compiled for us the following list of German sailing vessels as of 1914. Arranged in fleets by owners, it gives ship's name, country and year built (U.K.is United Kingdom, Fr is France, Ge is Germany, Ho is Holland, etc.), the port where the vessel took shelter at the start of the war, the Allied country that seized or captured her (with year) or the country to which allocated by the Reparation Commission under Versailles, the last known name and flag under which the vessel actively sailed, and her final fate.

CONOR S. MILES.		F.]	Laeisz, Haml	burg.	arr end the amount	languatein stim between
PAMIR	Ge	105	Teneriffe	Italy	German PAMIR	Still going
PARMA	UK	103	Iquique	Britain	Finnish PARMA	Scrapped 1937.
PASSAT	Ge	111	Iquique	France	German PASSAT	Still afloat
PEIHO	UK	102	Caleta Buer	na Britain	German PEIHO	Wrecked Mar. 123.
PEKING	Ge	'11	Valparaiso	Italy	German PEKING	Tr.sh.ARETHUSA 1932.
PELIKAN			Valparaiso		Norwegian BELLCO	Scrapped 1926.
PENANG	Ge	105	Hamburg	?	Finnish PENANG	Torpedoed June 1940.
PERIM	UK	103	Antwerp	Italy		Scrapped 1924.
PERKEO	UK	101	at sea	Britain '1	4. Norwegian BELL	Torpedoed March 1916.
			Valparaiso	100 mante. (28	Wrecked at Valpar	aiso 12 July 1919.
PINGUIN	It	103	Hamburg	France	French JACOBSEN	Scrapped 1924.
PINNAS	UK	102	Valparaiso	France	German PINNAS	Abnd. April 1929.
PIRNA	Ge	194	Hamburg	Italy	Italian PINUS.	?Scrapped 1926?
POMIERN	UK	103	Valparaiso	Greece	Finnish POMMERN	Now at Mariehamn.
PONAPE	It	103	at sea	G. Brit. 114	Finnish PONAPE	Scrapped 1936.
POTOSI	Ge	195	Valparaiso	France	Chilean LAURA	Sunk 19 Oct. 1925.

The Laeisz line in 1916 and 1917 sold all their vessels laid up in German ports, and proceeded with the construction of two more. One, POLA, completed in 1917, had to be handed over to France; as RICHELIEU she ended as a barge at Baltimore, Md., after an explosion on board in 1926, and was scrapped about 1933. The PRIWALL, not quite ready for sea when the Versailles Treaty was signed, was retained by Laeisz, after some fast talking by Laeisz partner Paul Ganssauge in London, even though the Treaty specifically mentioned vessels building as among those to be handed over. (At this point we wish to correct an error on p.136 of the last issue of LOG CHIPS, where we stated that the book "F L" incorrectly called PRIWALL ex POLA. The book actually says that PRIWALL like POLA (not as POLA) was built in 1916-19). The line also sold POTOSI in 1920, and bought back PINNAS and the first five vessels in the above list from the Reparation Commission in 1921-24.

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Rhederei-Aktien-Gesellschaft von 1896, Hamburg.
 ATHENE
                 UK '92 Sydney NSW Austr.'15 COORDY, British.
                                                                  Torpedoed Aug. 17.
ERATO
                 UK '90 Hamburg Sold Finn.'20 Swedish ERATO
                                                                  ?Scrapped 1924?
HEBE
                 UK '91 Mollendo
                                  Peru 1917 Peruv. CONTRAMAESTRE DUENAS.
MAIPO.
                 Ge '93 Callao
                                  Peru 1917 Peruvian MAIPO, Nightclub MALABOO 155.
MELPOMENE
                 UK '91 at sea G.Brit.'14 Norweg.SOLGRAN
                                                                   Sunk 1917?
                 UK '92 Antofagasta Italy
OCEANA
                                           Italian OCEANA.
                                                                  ?Scrapped '22/3?
                                G.Brit. 14 Norweh. HIPPALOS
ODESSA
                 UK '88 at sea
                                                                  Scrapped 1925
                 UK '03 Newcastle NSW G. Brit'15 British CARDINIA
OLINDA
                                                                  Wrecked Sep. 1921.
OLIVA
                 UK 'Ol Valparaiso France
                                            Peruvian DHARMA
                                                                   Trading 1925.
OLONA
                                  G. Brit. 14 Norwegian STELLA.
                 UK '03 at sea.
                                                                   Wrecked Nov. 20.
                 Ho '04 Iquique
OLYMPIA
                                  Italy
                                             Italian OLYMPIA.
                                                                  ?Scrapped 1926?
                 Ge '91 Caldera
OMAHA
                                  France
                                             German OMAHA
                                                                 ?Scrapped 1924?
OMEGA .
                 UK '87 Callao
                                  Peru 1917 Peruvian OMEGA
                                                                  Still going.
ONDA
                 UK '93 Mejillones France
                                             German ONDA
                                                                  ?Scrapped 1922?
OPHELIA
                 UK '91 Caleta Colosa "
                                             German OPHELIA
                                                                  ?Scrapped 1922?
ORLANDA
                 Ge '92 at sea G.Brit.'14 British CARDONIA
                                                                  ?Sunk 1917?
OROTAVA
                 UK 'Ol Sta. Rosalia France Amer. JAMES DOLLAR
                                                                  Afloat as barge.
                 UK '02 at sea G.Brit.'14 British KINPURNEY Sunk by U-Boat 1917.
OSSA
OSTARA
                 UK '96 Pisagua
                                  Italy German OSTARA
                                                                 ?Scrapped 1922?
OTTAWA
                 UK 88 San Fran. U.S. 1917 Amer. MUSCOOTA
                                                                  Hulked 1924.
TERPSI CHORE
                 UK '83 Limerick G.Brit.'15 British TERPSICHORE
                                                                 Hulked 1923.
URANIA
                 UK '02 at sea
                                  G. Brit. 14 British SCALA SHELL, steam tanker.
                    Knöhr & Burchard Nfl., Hamburg
                 UK '86 at sea France'14 French PACIFIQUE
BARMBEK
                                                               ?Scrapped 1922?
                 UK '92 Portland, O. U.S. 1917 Amer. MONONGAHELA
                                                               Barge'36; lost'43.
DALBEK
EILBEK
                 UK '92 Delfzyl
                                   7
                                         German TAMARA XV
                                                                 Scrapped 1924-5.
                 UK '91 Antofagasta France German FLOTTBEK
                                                                 ?Scrapped 1922?
FLOTTBEK
                 UK '93 at sea Gt.Brit.'14 Norwegian STEINSUND Missing Apr. 1920.
GOLDBEK
ISEBEK '
                 UK '92 Valparaiso France Chilean MARIA
                                                               Wrecked Jan. 1926
                                            German JERSBEK
JERSBEK
                 UK '92 Corral
                                France
                                                                 Hulked 1922.
LASBEK
                 UK 194 Guaymas, Mex. " German LASBEK
                                                                Scrapped 1930.
OSTERBEK
                 UK '90 Antofagasta Britain German VALBORG SKOGLAND; scrapped '24.
                 UK '89 Sta. Rosalia France German REINBEK Scrapped 1929.
REINBEK
                 UK 186
                         ? Portug. 17 Port. SANTA MARIA
                                                                  Burned Sept. '18.
SCHIFFBEK
                 UK '02 Sta. Rosalia Italy Amer. JOSEPH DOLLAR
                                                                Hulked 1929.
SCHURBEK
                 UK '92 Cardiff G.Brit.'15 British LLANDAFF Missing 1916.
SCHWARZENBEK
                 UK '92 Puget Snd. U.S.1917 Amer. STAR OF FALKLAND Wrecked 1928.
STEINBEK
TARPENBEK
                 UK '92 Antofagasta Britain . German TAMARA XII. Wrecked 1923.
THIELBEK
                 UK '93 Sta. Rosalia ". Amer. DAVID DOLLAR ... Scrapped 1929.
WANDSBEK
                 UK '92 Sta. Rosalia Italy Wrecked, at Santa Rosalia 1924.
                    August Bolten, Wm. Millers Nachfolger, Hamburg
                    (some of the vessels were managed for Vinnen Gebr., Bremen)
CARL
                 UK '93 Cardiff G.Brit.'15 British CARL
                                                                 ?Sunk 1917?
                ·UK 173 Bristol
ELFRIEDA
                                  G.Brit. 15 British CLEVEDON
                                                                  Hulked 1922
GUSTAV
                 UK '92 Mejillones France Finnish MELBOURNE
                                                                  Lost June 1932
                                 (under Versailles size) Ger. HELICS? Scrapped 1926?
HELIOS
                 Ge '91 Taltal
                 UK '85 ? Brazil '17. Braz. ALMIRANTE SALDANHA. ?Scrapped'27?
HENRIETTE
LENI
                 Ge '91 Mejillones Italy
                                             German LENI
                                                                 ?Scrapped 1922?
ULRI CH
                 UK 192 at sea ... G.Brit'14 Norweg.SYDNAES
                                                                  Abandoned Mar. '20.
                  G. J. H. Siemers & Co., Hamburg
EDMUND
                 UK '91 Iquique France
                                             French FAULCONNIER
                                                                  Scrapped 1923.
                                                                  Hulked 1927.
EGON
                 UK '02 Sta. Rosalia Italy
                                             Amer. JANET DOLLAR
                                                                  Dismantled 1948.
HANS
                 UK 104 Sta. Rosalia Britain
                                           Port.CIDADE DO PORTO
                 UK 192 Iquique France
                                            Ger. LEMENHAFEN
                                                                  Wrecked June '24.
HERBERT
                                                                  Now hulk, Sweden.
                 UK '04 Astoria, 0. U.S. '17
                                             Finn. MOSHULU
KURT
   (The above data on HERBERT correct pp. 9 and 140-141 of "Windjammers Significant")
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(to be concluded)

SAILING SHIPS LAUNCHED IN THE UNITED KINGDOM, 1878

S.P. Austin & Hunter, Sunderland

Bark 762 Gerd Bolte, Elsfleth. 1920 lost on W coast Jutland. Bark 759 Gerd Bolte, Elsfleth 1913 lost on Raratonga. OBERON TRITON

John Blumer, Sunderland

Bktn 234 Wm. Price, Whitehaven. 1910 hulked Australia.

William Doxford & Sons, Pallion, Sunderland

DUNCOW Ship 1715 John Houston, Liverpool

Bianchi, Spezia . MICHELE BIANCHI

VESUVIO A.Borelli, Torre del Greco.
GLANIVOR Bark 1115 David P. Williams, Carnarvon A. Borelli, Torre del Greco. Scrapped 1914, Genoa.

NOSTRA SIGNORA DELLE GRAZIE (Italian)

1913 P. Vidal, Barcelona 1918 Hijos de Pedro Catasus, Barcelona. Broken up 1935. PEDRO 1918 Hijos de Pedro Catasus, Barcelona. Broken up 1930.

MOEL RHIWAN Bark 1117 Wm.E.Jones, Carnarvon. Abnd.13 Feb.1884 off Lundy.

SCOTTISH ADMIRAL Bark 986 McIlwraith, McEacharn & Co., London, Sunk Feb. 1894.

Gibbon, Sunderland

CRICKET (WOOD) Bark 333 Wm. C. Jarvis, Liverpool

James Laing, Sunderland

FOXGLOVE Bark 879 Robert H. Gayner, Sunderland

THORA 1897 C.L. Endresen, Kristiansand, Jul. 10 wrecked N. Zea.

Mounsey & Foster, Sunderland.

GWALIA Ship 1425 Arvon Shipp.Co., Liverpool. Wrecked 13 Feb. 1880.

MEIRION Ship 1420 Arvon Shipp.Co., Liverpool. Wrecked 7 Sept.1879.

Osbourne, Graham & Co., Hylton, Sunderland

ALEXA Bark 441 Valter Turnbull & Co., Wellington, N.Z.

MONA Bark 1073 John Owen, Liverpool.

CALEDONIA (WOOD) Bktn 324 John Duncan Jr., Banff

ELEANOR & JANE " Sch 125 Owen Owen, Aberystwith

JANE (WOOD) Bktn 266 J. & J. Denholm, Greenock

POLLY (WOOD) Bktn 255 J. & J. Denholm, Greenock

THEMIS E. Follin, Fecamp.

Robert Thompson, Jr., Sunderland

Bark 1078 Robert Conaway & Co., Liverpool, Submarined Aug. 1918 REMONSTRANT

Bark 905 Dixon, Irwin & Co., Liverpool. 25 Jan. '90 lost I. of Man. THORNE

W. Gray & Co., West Hartlepool

Ship 1543 J. Lidgett & Sons, London LIBURNI AN

Richardson, Duck & Co., Stockton-on-Tees SIERRA COLONNA Ship 1499 Thompson, Anderson & Co., Liverpool

1903 J.A. Henschien, Lillesand. 1914 sold in Australia. COLONNA

Dyer, New Shoreham

OLIVE BRANCH (WD) Sch 112 Miss Mary Frances Dyer, London

OSMAN PACHA (WD) Bark 509 Builder Wissing March 1892 Indian Ocean.

John T. Crampton, Landport; Portsmouth, Hampshire (WOOD) Bktn 386 Builder

Oswald, Mordaunt & Co., Southampton

CYPROMENE Ship 1889 Henry Fernie & Sons, Liverpool. Aug. '03 damgd. Salina Cr. MONTEREY (barge) 1904 Wm. Matson, San Francisco. 5m. bktn 1919; broken up 134. LEE Ship 1485 James Nourse, London. Lost W. Indies 29 March 1882.

Philip & Son, Dartmouth Bktn 263 Robert Putt, Brixham (WOOD) ALBERT VICTOR BRETAGNE Gillet-Bellet & cie, Fecamp.

Evans, Salcombe

(WOOD) Brig 289 Richard H. Sladen & Co., Salcombe CREOLE

Harvey & Co., Hayle, Cornwall

Bktn 289 David W. Bain & Co., Hayle. Missing 1880.

Newport Drydock Wood & Iron Shipbuilding & Ship Repairing Co.Lim. ALICE LYNE (WD) Bktn 303 Builders, Newport, Mon. FLORA

Warlow, Neyland, Pembrokeshire (WOOD) Bark 533 Hugh Hogarth, Ardrossan CYPRUS

Evans, Aberystwith CAROLINE SPOONER Bark 684 John F. Evans, Aberystwith (WOOD)

Ebenezer Roberts, Portmadoc 3mSch 199 John Roberts & Co., Carnarvon. (WOOD) MARIE AGATHE TONY KROGMANN Bktn 271 Builder, Carnarvon (WOOD) Missing c.1888.

R. & J. Evans & Co., Liverpool Bark 859 Wm. Killey & Co., Liverpool. Dec. 99 wrecked S. Vales. CRAIGWHINNIE Bark 1108 Thomas H. Johnson & Co., Liverpool MAUDE

W. H. Potter & Son, Liverpool Bark · 1240 Fisher & Sprott, Liverpool. Lost Calif.coast 1883. WINDERMERE

T. Royden & Sons, Liverpool A. C. DE FREITAS Bark 1042 A.R.F. de Freitas, Hamburg BANKVILLE W.Just & Co., Liverpool. Abnd. off C. Horn, Apr. 1896. KNIGHT OF THE THISTLE S 1489 Greenshields, Cowie & Co., Liverpool

1907 Skibs A/S Novo (Bendix J. Grefstad), Arendal DON DIEGO
1927 H.E. Wolder
NACA Ship 1497 Builders 1927 H.E. Wolden, Montevideo. Broken up May 1928. LARNACA Broken up 1910:

Noble & Co., Barrow-in-Furness CHARLES & ELLEN Sch 158 Wm.Postlethwaite, Barrow
MANX QUEEN Bark 317 Robert G. Karran, Castletown, I.O.M.

Whitehaven Shipbuilding Co., Whitehaven CRUMMOCK WATER Bark 1033 Jackson & Metcalf, Liverpool NOSTRA SIGNORA DEL ROSARIO (Italian): Missing since February 1914. Ship 1352 Johnston B. Sprott, Liverpool EDDERSIDE

Robert Ritson & Co., Maryport ALLERBY (WOOD) Bark 407 Builders

Sold to Greece,

R. Williamson & Son, Harrington BELLAPORT Bark 1065 Builders, Workington Lost at Iquique 12 Aug. 1889

Scott & Co., Cartsdyke, Greenock Ship 1452 Orr, Guthrie & Co., London PERSIAN

1904 A/S Mafalda (K. Bruusgaard), Drammen. Broken up 1923. MAFALDA

Robert Steele & Co., Greenock

AVALON Bark 326 Walter Grieve, Son & Co., Greenock

Ship 1776 Robert Shankland & Co., Greenock. Hulked Plate 1887. OTTERBURN

Robert Duncan & Co., Port Glasgow

Ship 1180 Albion Shipping Co.Lim., Glasgow. Lost N.Z.June 1886 LYTTLETON WESTLAND Ship 1186 Albion Shipping Co.Lim., Glasgow. Broken up 1909.

Russell & Co., Port Glasgow

Bark 726 H. Gourlay & Co., Glasgow BEN LAVERS

VIDYLIA 1899 Mentz. Decker & Co., Hamburg. Hulked Vigo 1927.

CADZOW FOREST Bark 1116 John C. King & Co., Glasgow. 1896 lost off Columbia R.

DEANFIELD Bark 1122 Robert C.MacNaughtan, Liverpool. Missing 1890. FALLS OF CLYDE 4mSh 1807 Wright & Breakenridge, Glasgow. Oil hulk at Ketchikan.

MADEIRA Bark 885 Peter Denniston & Co., Glasgow. Missing 1892.

MELANESIA Bark 1260 J.& W. Goffey, Liverpool

Birrell, Stenhouse & Co., Dumbarton

Bark 778 Wm. Nicol & Co., Liverpool BOTHNIA

LE CARBET 1899 Cie.des Chargeurs Coloniaux, Havre. Scrapped 1913.

778 Hatfield, Cameron & Co., Glasgow BRODICK BAY Bark

(Italian; apparently hulked about 1906) CAMPANA

CAMPANA B (steamer) 1918 M. Allende & Co., Montevideo 1921 Cia.de Nav. Bengolea, Barcelona MARI CHU

BIANCA BIANCHI 1924

ORETO 1925 Gius. Messina Tabusco, Genoa.

INCH MURREN Ship 1318 Clutha Shipping Co., Glasgow. Abandoned afire 1889.

Bark 873 Wm. Wylie & Co., Glasgow RYEVALE

(German) Lost July 1905. APHRODITE

Bark 1272 Thomas Law & Co., Glasgow SELKIRKSHIRE

1905 (Norwegian) Lost October 1905. AVENTA

A. McMillan & Son, The Dockyard, Dumbarton

CHARLES WORSLEY Ship 1396 W.& C. Batter.sby & Co., Liverpool. Abandoned afire '85.

CRAIG ARD

Bark 845 Thomson, Dickie & Co., Glasgow
Bark 838 James Hunter, Glasgow Lost Staten Land 16 Dec.1892.
Ship 1609 Builders Lost 24 Aug.1882, d'Afres Shl. GUY MANNERING

MACBETH

Ship 1273 Hunter, Sherriff & Co., Glasgow. MOUNTSTUART

N.S.DEL BOSCHETTO 1912 F.Dodero, Genoa Wrecked Jan. 1919, Bahamas.

Barclay, Curle & Co., Glasgow

Ship 1616 A.& J.H. Carmichael & Co., Glasgow ARGUS

ASKØY 1907 Jens Marcussen, Lyngør. Wrecked S.Pac.28 Dec.1911 COUNTY OF CROMARTY 4ms 1720 R.& J.Craig, Glasgow Wrecked ECSA, 8 Aug.1878. COUNTY OF DUMFRIES 4ms 1718 R & J.Craig, Glasgow.

1906 (Russian) 8 Nov. 1906 wrecked Prince Edward I. SORINTO

(continued)

OG CHIPS

Barclay, Curle & Co., Whiteinch, Glasgow (continued)

April 1955 LOG CHIPS COUNTY OF HADDINGTON 4mS 1943 R.& J. Craig, Glasgow. Missing since 2 Feb.1901 COUNTY OF KINROSS 4mS 1719 R.&.J. Craig, Glasgow. MARPESIA 1906 Red. A/S Marpesia (K. Bruusgaard), Drammen SALINERA ESPANOLA 1921 Hulk. Spanish Salt Co., Buenos Aires COUNTY OF SELKIRK 4mS 1943 R.& J. Craig, Glasgow. Missing since 31 Dec. 1905 INCH KEITH Ship 1298 Clutha Shipping Co., Glasgow FEDE : 1897 Angelo Repetto Genoa: Submarined 8 Aug. 1916. Charles Connell & Co., Scotstoun, Whiteinch, Glasgow FIERY CROSS Ship 1456 John D. Clink, Greenock. Submarined July 1915.
FIONA Ship 1450 John D. Clink, Greenock. Lost with all hands Dec. 1882. 4mS 1976 W.& A. Brown & Co., Glasgow. Scrapped Oct. 1910. WATERLOO Dobie & Co., Govan, Glasgow ARDMILLAN Ship 1729 J.& A. Allan, Glasgow ALIDA 1896 E. Tobias, Elsfleth. Lost at Iquique, 1896-97. Bark 893 Hugh McEwan, Ayr CYNISCA (German) Missing since Dec. 1899 VIDUCO Ship 1301 Wm. Ross & Co., London DUNFILLAN Scheepvaart Zuid Holland, Rotterdam. Missing 1893. NOACH I FIRTH OF LORN Bark 877 James Spencer & Co., Glasgow EMILIE LASSEN 1899 (German) FORT DE FRANCE 1901 Union des Chargeurs Coloniaux, Havre. Scrapped 1923. 4mBk 1620 J.& A. Allan, Glasgow. July 1907 wrecked Tierra del F. GLENCAIRN TRONGATE Bark 987 Edward L. Alexander & Co., Glasgow. 1909 hulked. LUIS A. GONI 1917 Borquez y Cia., Valparaiso. 1919 Irala y Ugalde, Bilbao MANOLO David & William Henderson & Co., Partick, Glasgow DUNBLANE Bark 752 James Dunn & Sons, Glasgow JOSEPH CRAIG J.J. Craig, Auckland, N.Z. Vrecked 7 Aug. 1914. 781 Wood Bros. & Co., Liverpool. Vrecked 30 Oct. 1881. LAMMERLAW Bark CLAN GRANT Bark 1055 Thomas Dunlop & Sons, Glasgow. Out of registers 1905. A.& J.Inglis, Point Ho, Glasgow Las Polens: LOCH SUNART Ship 1285 General Shipping Co., Glasgow. Lost 11 Jan. 1879. Alexander Stephen & Sons, Linthouse, Glasgow,

ALICE PLATT

Bark 1139 John Lloyd Jr., Liverpool. Wrecked Iquique Jan.1891.

GOETHE

Bark 1209 D.H. Watjen & Co., Bremen Lost 1880 Rangoon-Bremen.

HANNAH LANDLES

Bark 1332 David Law, Glasgow Wrecked 9 Dec.1891.

LESMONA

Bark 1144 D.H. Watjen & Co., Bremen Lost 1880 S.Fran.-Bremen.

PALALA

Bark 1030 Bullard, King & Co., London. Lost 1884 on Madagascar.

James & George Thomson, Clydebank, Glasgow
BAY OF CADIZ (STL)Ship 1700 J.& G.Bulloch & Co., London. Missing since 20 Oct. 88.

Tor Freder 14 June 10th St. Vincent C

James Geddie, Jr., Garmouth

VENTURE (WOOD) Bktn 257 Builder, Banff. Abandoned 3 Mar. 1892, N. Atlantic.

VIKING (WOOD) Sch 102 John Henderson, Inverness

James Geddie, Kingston-on-Spey
SWIFTSURE (WOOD) Bktn 345 Builder, Banff

William Kinloch, Kingston-on-Spey

EMULATOR (WOOD) Sch 171 V. Gordon, Frasersburg

INDIAN CHIEF (") Bktn 339 Builder, Banff

KAFFIR CHIEF (") Bktn 336 Builder, Banff. 20 Sept. 1892 lost near Montevideo.

Alexander Hall & Co., Footdee, Aberdeen SCOTTISH PRINCE Bark 950 McInwraith, McEachern & Co., London. Vrecked Feb. 1887.

Walter Hood & Co., Aberdeen

CIMBA Ship 1174 Alexander Nicol & Co., Aberdeen. Wrecked Aug. 1915.

Alexander Stephen & Sons, Dundee

EASTERHILL Bark 915 Robert Gilchrist & Co., Glasgow

Tellef Lassen, Arendal 8 Dec. 24 sunk off Skagen, TANA

912 Thomas Frost Jr., Liverpool EDGBASTON Bark

1880 D.H. Watjen & Co., Bremen. 1880 wrecked Patagonia.

The Tay Shipbuilding Co., Dundee

EDEN (WOOD) Bark 320 Robertson Bros. Dundee

1903 A/S Eva (H. Skougaard), Langesund, Submarined 22 Apr. 15 EVA

Jn. Key & Sons, Kinghorn

Bark 1274 Hatfield, Cameron & Co., Glasgow. Scrapped 1910. LARGO BAY

Inverkeithing Foundry Co., Inverkeithing

Bktn 214 D.R. Simpson. & Co., Wick THE DEAN

LA BRETTESCHE

HUMOR

Wilken, Stehr & Co., Hamburg

Roy & Mitchell, North Alloa

OCHILVALE (WOOD) Bark 465 Builders ...

GALEOTA 1879 G. Turnbull & Co., Glasgow

(Spanish) LORENZO

Harland & Wolff, Belfast

Ship 1743 Samuel Lawther, Belfast, Lost in Bass St. 8 Aug. 1912 G. W. WOLFF (launched 28 Sept. 1878 as AFROLITE; built on speculation as sister to next) Ship 1749 Wm.P. Sinclair & Co., Liverpool. Broken up 1910.

SAILING SHIP NEWS 9 Apr. arr Buenos Aires; 17th left B.A.; 19th Montevideo; 8 June arr Hamburg. DANMARK, Dan.aux.tr.ship. 19 Oct.left Cadiz; 30 Oct.arr Las Palmas; left 3 Nov; 15 Nov PEDER MOST, 3m. sch. Bought from Sørensen of Svendborg by Scots Outward Bound Sea arr St. Vincent; left 22d; 17 Dec.arr St. School; refitting as training ship at Croix; 20th arr St. Thomas; 27th arr St. Ring-Andersen's yard. John; 2 Jan.left; 11 Jan.left Kingston. Ja; 28 Jan left Galveston; 12 Feb.arr Ber_STATSRAAD LEHMKUHL, Nor.aux.tr.ship. 12

muda; returned to Denmark in March.

N. London; 24 June left Clyde for Havre.

MADALAN. Port. aux. bgn. 7 Feb. left St. Vincent for Fogo; 10 Mar arr St. Vincent; 21 Mar left St. Vincent for Praia; 11 Apr arr Bissao from May I; 23 Apr.left Bissao for Praia; 14 June left St. Vincent for

Pto. Praia.

MERCATOR, Belg. aux. tr. bkn. 5 Jan left Ant-Havana; 1 Apr.arr Antwerp. 18 May left Antwerp; psd. Gibraltar 29 May; 7 June left Barcelona; 16th left Naples.

lulu. Was rerigged in 1952.

PAMIR, Ger.aux. 4m.tr.bk. 19 Feb.had prop. new Portuguese hospital ship GIL EANES.) fouled; 20th in St. Helens Rds. to clear it;

June left Bergen for Madeira and New York. EAGLE, USCG aux tr bk. Arr Glasgow 21d frm STAR OF THE SEA, 4m. sch. 11/12 June arr Hempstead, L.I., for the summer. Now owned by Cadet-Midshipman Training Corps. Will serve as a summer camp for 50 boys, who will help refit her.

SUNBEAM II., Swed.aux. 3m.T/S tr.sch. Now owned Malmo; refitting for training as FLYING CLIPPER.

TE VEGA, aux. sch. Left Newport Beach, Cal., werp; 11 Feb.arr Ft.de France; 2 Mar bft 10 June for Honolulu. Will engage in a luxury run between Honolulu and Tahiti, fare \$65 per day.

(With thanks for items to Ed Collins, A.G. NIPPON MARU, Jap.aux.4m.tr.bk. 9 June arr Hallock, Giles Tod, Kenneth Lodewick, and Portland, O; left 17th for home via Hono-Alan Villiers, who writes he has just made another trip to the Grand Banks in the